

# The Fourth Environmental Action Plan (FY 2007–FY 2011)

Items	Segments	Action Policies	Specific Action	Targets*1		
				Control items	Level	
Curbing Global Warming	Products	Automobile-related products: Promote the development of technologies that achieve the best fuel efficiency performance in each country and region	<ul style="list-style-type: none"> <li>• Develop technologies to reduce vehicle weight</li> <li>• Develop engines that meet fuel efficiency targets set at the product planning stages</li> <li>• Develop high-efficiency car air-conditioning compressors</li> </ul>		*2	
		Non automobile related products: Promote the development of technologies that achieve the best energy efficiency in the market	<ul style="list-style-type: none"> <li>• Develop technologies to improve energy efficiency of lift trucks</li> <li>• Develop industry leading energy-saving technologies for textile machinery</li> <li>• Improve energy efficiency of industrial use engines</li> </ul>			
		Promote the development of equipment for clean energy vehicles	<ul style="list-style-type: none"> <li>• Further improve performance of equipment for hybrid vehicles</li> <li>• Develop equipment for next generation of fuel cell vehicles</li> </ul>			
		Reduce greenhouse gases throughout product lifecycles	<ul style="list-style-type: none"> <li>• Steadily reduce life-cycle environmental impact through implementation of life cycle assessment (LCA) for all product lines</li> <li>• Develop products with high environmental efficiency</li> <li>• Develop car air-conditioning compressors for refrigerants with a low global warming potential</li> </ul>			
	Production	Promote energy reduction and energy saving through innovative production technologies	<ul style="list-style-type: none"> <li>&lt;Carbon dioxide from energy use&gt;</li> <li>• Streamline production processes</li> <li>• Optimize supply energy</li> <li>• Promote introduction of new energy sources</li> </ul>	Environmental efficiency Standard reduction unit	<ul style="list-style-type: none"> <li>&lt;Nonconsolidated&gt; 35% reduction from FY 1991</li> <li>&lt;Consolidated&gt; 10% reduction from FY 2004</li> </ul>	
			<ul style="list-style-type: none"> <li>&lt;Fluorocarbons&gt;</li> <li>• Review and improve production processes</li> <li>• Convert raw materials</li> </ul>	Environmental efficiency	<ul style="list-style-type: none"> <li>&lt;Nonconsolidated&gt; 30% improvement from base year</li> <li>&lt;Consolidated&gt; 10% improvement from FY 2004 (Except CO<sub>2</sub> from logistics)</li> </ul>	
		Globally promote measures to curb global warming	<ul style="list-style-type: none"> <li>• Implement energy audit for consolidated companies</li> <li>• Horizontal deployment of global warming preventive measures</li> </ul>			
	Logistics	Reduce carbon dioxide emissions through implementation of green logistics	<ul style="list-style-type: none"> <li>• Promote modal shifts</li> <li>• Formulate green logistics guidelines and strengthen cooperation with transport carriers</li> </ul>			
	Using Resources More Efficiently	Products	Further promote the use of designs based on the designs for recycling (DfR) concept	<ul style="list-style-type: none"> <li>• Steadily improve recyclability through assessment of recyclability for all product lines</li> <li>• Develop products that are easy to dismantle and recycle</li> </ul>		*2
		Material	Enhance resource productivity	<ul style="list-style-type: none"> <li>&lt;Resources&gt;</li> <li>• Reduce the volume of discarded materials by taking action at the source, such as improving yields and other measures</li> <li>• Promote internal reuse</li> </ul>	Environmental efficiency	<ul style="list-style-type: none"> <li>&lt;Nonconsolidated&gt; 5% improvement from FY 2004</li> </ul>
<ul style="list-style-type: none"> <li>&lt;Packaging and wrapping materials&gt;</li> <li>• Reduce use of packaging and wrapping materials</li> </ul>						
		Reduce use of groundwater	<ul style="list-style-type: none"> <li>• Promote recycling of wastewater</li> <li>• Reduce use of water</li> </ul>	Groundwater consumption (total amount)	<ul style="list-style-type: none"> <li>&lt;Nonconsolidated&gt; 50% reduction from FY 2004</li> </ul>	
Waste	Reduce (comprehensive) environmental impacts of waste treatment	<ul style="list-style-type: none"> <li>• Eliminate landfill disposal at all consolidated production companies</li> <li>• Establish measures to evaluate environmental impact of waste disposal</li> </ul>	Landfill waste amount	<ul style="list-style-type: none"> <li>&lt;Consolidated&gt; Less than 1% compared with FY 1999</li> </ul>		

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Reducing Environmental Risk Factors	Products	Promote stricter management of and further reduction in the use of substances of concern	<ul style="list-style-type: none"> <li>Eliminate use of four substances of concern globally (lead, mercury, cadmium and hexavalent chromium) (with some exemptions)</li> <li>Increase the number of substances of concern subject to management</li> </ul>		*2
		Reduce emissions to improve air quality in urban areas in all countries and regions	<ul style="list-style-type: none"> <li>Develop clean, high-efficiency diesel engines</li> <li>Introduce best-performing low-emissions lift trucks</li> </ul>		
	Production	Minimize environmental risks	<ul style="list-style-type: none"> <li>Establish environmental risk evaluation system at business planning stages (incorporate measures to reduce environmental impact in business planning stages)</li> <li>Ensure appropriate management of chemical substances in accordance with social conditions</li> <li>Enhance risk communication with stakeholders such as local residents</li> </ul>	Environmental impact	<Nonconsolidated> 10% reduction from FY 2004 <Consolidated> 5% reduction from FY 2004 (Applies to production sites in Japan)
		Further reduce emissions of substances of concern	<ul style="list-style-type: none"> <li>Reduce air pollutant emissions, including volatile organic compounds (VOC)</li> <li>Expand the use of water-soluble coatings and powder coatings</li> <li>Introduce VOC removal equipment</li> <li>Reduce water contaminants</li> </ul>		
Management	General	Strengthen cooperation with business partners	<Suppliers> <ul style="list-style-type: none"> <li>Further promote green procurement -Improve environmental performance by supporting the establishment and promotion of an environmental management system</li> <li>Enhance management of substances of concern</li> </ul> <Group companies> <ul style="list-style-type: none"> <li>Promote consolidated environmental management by enhancing mutual communication</li> <li>Thorough environmental compliance (all companies)</li> <li>Establish environmental management system (sales and service companies)</li> <li>Promote green procurement and environmental accounting (production companies)</li> <li>Improve environmental performance and external environmental communication (production companies)</li> </ul>		*3
Social Contribution	General	Fulfill responsibilities as a corporate citizen through two-way communication and social contribution activities	<ul style="list-style-type: none"> <li>Actively disclose environmental information</li> <li>Provide environmental information concerning products</li> <li>Enhance Social &amp; Environmental Report</li> </ul>		*3
			<ul style="list-style-type: none"> <li>Promote social contribution activities that contribute to preservation of biodiversity</li> <li>Implement environmental education for local residents and communication activities with local communities</li> </ul>		*3

\*1. The target values proposed are based on current business plans.

Targets may be revised in the event of reformulation of business plans or other major changes.

\*2. In order to maintain confidentiality, detailed targets may not be officially published.

\*3. Detailed targets are established every fiscal year and released in the Social & Environmental Report and other corporate documents.